

Notice of Allowability

Application No.

09/592,416

Examiner

John Pezzlo

Applicant(s)

SONTI ET AL.

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 13 August 2004.
2. ☒ The allowed claim(s) is/are 9-15, 19, 28-34, 38, 50, 53-60 (renumbered 1, 4, 5, 6, 7, 2, 3, 8, 9, 12, 13, 14, 15, 10, 11, 16, 17, 20, 21, 18, 19, 22-25 respectively).
3. ☒ The drawings filed on 13 June 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


JOHN PEZZLO
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

Claims 9-15, 19, 28-34, 38, 50, and 53-60 are allowable over the prior art of record.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: Applicants have claimed the following uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination.

1. Regarding claim 9 - In a cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a single access channel is configured, a method for providing prioritized access to the communications system comprising the steps of:

(a) for each mobile station desiring access to the system, transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) receiving at the base station said access message including the collision rate parameter,

(c) calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled,

(d) broadcasting from the base station a message including said service parameters,

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(e) receiving said message including the service parameters at a mobile station desiring to access the system,

(f) comparing within the mobile station the service parameters with the service sought to be accessed, and

(g) inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled.

2. Regarding claim 10 - In a cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a plurality of access channels are configured, a method for providing prioritized access to the communications system comprising the steps of:

(a) broadcasting from the base station a message including service parameters configured according to a pre-determined service-to-access channel mapping,

(b) receiving said message including the service parameters at a mobile station desiring to access the system,

(c) comparing within the mobile station said service parameters with the service sought to be accessed,

(d) determining the access channels to be used with the service sought to be accessed, and

(e) transmitting an access attempt on one of the access channels determined in step (d).

3. Regarding claim 12 - In a cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a plurality of access channels are configured, a method for providing prioritized access to the communications system comprising the steps of:

(a) for each mobile station desiring access to the system, transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) receiving at the base station said access message including the collision rate parameter,

(c) calculating from the collision rate parameter received from all mobile stations service parameters representing which services within the system are currently enabled and incorporating a pre-determined service-to-access channel mapping,

(d) broadcasting from the base station a message including said service parameters, receiving

(e) receiving said message including the service parameters at a mobile station desiring to access the system,

(f) comparing within the mobile station the service parameters with the service sought to be accessed,

(g) inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled, and

(h) for services which are enabled, determining from the service parameters the access channels to be used with the service sought to be accessed and transmitting an access attempt on one of said access channels.

4. Regarding claim 19 - A method of operating a cellular communication system comprising at least one base station and a plurality of mobile stations, the method comprising the steps of:

(a) for each mobile station desiring access to the system, transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) receiving at the base station said access message including the collision rate parameter,

(c) calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled, and

(d) inhibiting the transmission of a page if the service sought to be accessed has been disabled.

5. Regarding claim 28 - A cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a single access channel is configured, the system comprising:

(a) for each mobile station desiring access to the system, means for transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) means for receiving at the base station said access message including the collision rate parameter,

(c) means for calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled,

(d) means for broadcasting from the base station a message including said service parameters,

(e) means for receiving said message including the service parameters at a mobile station desiring to access the system,

(f) means for comparing within the mobile station the service parameters with the service sought to be accessed, and

(g) means for inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled.

6. Regarding claim 29 - A cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a plurality of access channels are configured, the system comprising:

(a) means for broadcasting from the base station a message including service parameters configured according to a pre-determined service-to-access channel mapping,

(b) means for receiving said message including the service parameters at a mobile station desiring to access the system,

(c) means for comparing within the mobile station said service parameters with the service sought to be accessed,

(d) means for determining the access channels to be used with the service sought to be accessed, and

(e) means for transmitting an access attempt on one of the access channels determined in step (d).

7. Regarding claim 31 - A cellular communication system comprising at least one base station and a plurality of mobile stations, wherein a plurality of access channels are configured, the system comprising:

(a) for each mobile station desiring access to the system, means for transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) means for receiving at the base station said access message including the collision rate parameter,

(c) means for calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled. and incorporating a pre-determined service-to-access channel mapping,

(d) means for broadcasting from the base station said message including said service parameters,

(e) means for receiving said message including the service parameters at a mobile station desiring to access the system,

(f) means for comparing within the mobile station the service parameters with the service sought to be accessed,

(g) means for inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled, and

(h) for services which are enabled, means for determining from the service parameters the access channels to be used with the service sought to be accessed and means for transmitting an access attempt on one of said access channels.

8. Regarding claim 38 - A cellular communication system comprising at least one base station and a plurality of mobile stations, the system comprising:

(a) for each mobile station desiring access to the system, means for transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) means for receiving at the base station said access message including the collision rate parameter,

(c) means for calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled, and

(d) means for inhibiting the transmission of a page if the service sought to be accessed has been disabled.

9. Regarding claim 50 - A computer-readable medium for a base station of a cellular communication system which also includes a plurality of mobile stations, wherein a single access channel is configured, the computer-readable medium having stored instructions for,

(a) receiving at the base station an access message from each mobile station desiring access to the system which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled, and

(c) broadcasting from the base station a message including said service parameters.

10. Regarding claim 53 - A computer-readable medium for a base station of a cellular communication system which also includes a plurality of mobile stations, wherein a plurality of access channels are configured, the computer-readable medium having stored instructions for:

(a) receiving at the base station an access message from each mobile station desiring access to the system which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled and incorporating a pre-determined service-to-access channel mapping,

(c) broadcasting from the base station a message including the service parameters.

11. Regarding claim 57 - A computer-readable medium for a base station of a cellular communication system which also includes a plurality of mobile stations, the computer-readable medium having stored instructions for:

(a) receiving at the base station an access message from each mobile station desiring access to the system which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) calculating from the collision rate parameters received from all mobile stations service parameters representing which services within the system are currently enabled, and

(c) inhibiting the transmission of a page if the service sought to be accessed has been disabled.

12. Regarding claim 58 - A computer-readable medium for a mobile station of a cellular communication system which also includes at least one base station, wherein a single access channel is configured, the computer-readable medium having stored instructions for:

(a) transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) receiving a message generated by the base station which includes service parameters representing which services within the system are currently enabled,

(c) comparing within the mobile station the service parameters with the service sought to be accessed, and

(d) inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled.

13. Regarding claim 59 - A computer-readable medium for a mobile station of a cellular communication system which also includes at least one base station, wherein a plurality of access channels are configured, the computer-readable medium having stored instructions for:

(a) receiving a message generated by the base station which includes service parameters configured according to a pre-determined service-to-access channel mapping,

(b) comparing within the mobile station said service parameters with the service sought to be accessed,

(c) determining the paging channels to be used with the service sought to be accessed, and

(d) transmitting an access attempt on one of the access channels determined in step (c).

14. Regarding claim 60 - A computer-readable medium for a mobile station of a cellular communication system which also includes at least one base station, wherein a plurality of paging channels are configured, the computer-readable medium having stored instructions for:

(a) transmitting an access message which includes a collision rate parameter representing the number of consecutive unsuccessful access attempts which have been initiated by the mobile station,

(b) receiving a message generated by the base station which includes service parameters representing which services within the system are currently enabled and incorporating a pre-determined service-to-access channel mapping,

(c) comparing within the mobile station the service parameters with the service sought to be accessed,

(d) inhibiting the transmission of an access attempt if the service sought to be accessed has been disabled, and

(e) for services which are enabled, determining from the service parameters the access channels to be used with the service sought to be accessed and transmitting an access attempt on one of said access channels.

The closest prior art, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Claims 9-15, 19, 28-34, 38, 50, and 53-60 being allowable, **Prosecution On The Merits**
Is Closed in this application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (571) 272-3090. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C.

or faxed to:

(703) 872-9306

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

Jefferson Building

500 Dulany Street

Alexandria, VA.

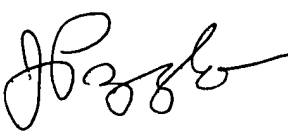
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John Pezzlo

8 October 2004



JOHN PEZZLO
PRIMARY EXAMINER